



Inventory of Prior Work

State Energy Strategy

This inventory of prior work shall at a minimum include the materials recommended by the State Energy Strategy enabling legislation ESSHB 2658 sec. 404(2)(b):

...including, but not limited to, prior state energy strategies, the work of the clean energy leadership council, the climate advisory and action teams, the evergreen jobs committee, and reports of the state transportation planning commission, the economic development commission, and the Northwest power and conservation council.

Additionally it will eventually include most reports released in calendar year 2005 or later that include specific energy, transportation, or climate *policy recommendations* relevant to, but not necessarily specifically for, Washington State. The underlying academic journal articles or other research works that support such policy recommendations may be included in this inventory, but the inventory will not attempt to be a comprehensive accounting of those.

A note about the classifications used below: Works with a focus on climate change mitigation (greenhouse gas reduction) are classified in the same seven categories appearing below, so for example comprehensive approaches with a greenhouse gas-focused goal are also included in “Comprehensive Approaches.” Works with a focus on climate change adaptation are classified in Special Topics.

Comprehensive Approaches

See also the inventory of other states’ and province’s energy strategies, Appendix A.

call#	author, title, year	rec’d from (person or URL)	date rec’d	notes
C001	Washington Energy Strategy Committee, <i>Washington’s Energy Strategy: An Invitation to Action</i> , 1993	www.commerce.wa.gov/site/542/default.aspx	5/19/10	The first and last complete Energy Strategy effort undertaken by Washington State.

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
C002	U.S. Energy Information Administration, <i>Annual Energy Outlook 2010</i>	www.eia.doe.gov/oiaf/aeo/	5/19/10	The 2010 Outlook includes an unusually comprehensive spectrum of future scenarios and will provide some helpful insight into the initial scenario planning stage. The Outlook also includes trends to 2035 for all primary energy flows and is an excellent last-rung proxy forecasts the TEP is unable to make itself.
C003	Washington Clean Energy Leadership Council, <i>Phase II – Washington State Clean Energy Technology Strategy: Preliminary Strategy Components</i> , 2010	http://www.washingtoncelc.org/documentarchive/105/	5/21/10	A primary input to goal #2: clean energy economy and jobs
C004	Washington State Climate Action Team, <i>Leading the Way: Implementing Practical Solutions to the Climate Change Challenge</i> , 2008	http://www.ecy.wa.gov/climatechange/2008CATdocs/ltw_app_v2.pdf	5/21/10	A primary input to goal #3: reduce greenhouse gas emissions
C005	Washington State Climate Action Team, <i>Leading the Way: A Comprehensive Approach to Reducing Greenhouse Gases in Washington State</i> , 2007	http://www.ecy.wa.gov/climatechange/CATdocs/020708_InterimCATreport_final.pdf	5/21/10	A primary input to goal #3: reduce greenhouse gas emissions

Conservation or Efficiency Focus

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
Y001	California Public Utilities Commission, <i>California Long Term Energy Efficiency Strategic Plan</i> , 2008.	http://www.californiaenergyefficiency.com/docs/EEStrategicPlan.pdf	5/26/10	

Economic Development Focus

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
D001	Washington Economic Development Commission, <i>The Washington Innovation Economy: New Economic Strategy for Prosperity</i> , 2009	http://www.wedc.wa.gov/Publications.htm	5/21/10	

Electricity and/or Natural Gas Focus

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
E001	Washington State Department of Community, Trade and Economic Development, <i>Energy Strategy Update: Responding to the New Electricity Landscape</i> , 2003	www.commerce.wa.gov/site/542/default.aspx	5/19/10	(This document also serves as the 2003 Biennial Report.) The most recent energy strategy effort at Commerce.
E002	Northwest Power and Conservation Council, <i>Sixth Northwest Conservation and Electric Power Plan</i> , 2010	www.nwcouncil.org/energy/powerplan/	5/19/10	Forecasts to 2030 of regional electric demand and related parameters. Some of the Council's work may suffice directly for components of the SES analysis, though disaggregation of Washington State-specific results may present challenges. Council staff have experience handling a regular, complex, stakeholder-involved energy planning process.
E003	Pacific Northwest National Laboratory, <i>The Smart Grid: An Estimation of the Energy and CO2 Benefits</i> , 2010	energyenvironment.pnl.gov/news/pdf/PNNL-19112_Revision_1_Final.pdf	5/19/10	Surveys grid technologies available for the technology forecast; provides quantitative assessments of conservation and GHG impacts.
E004	Lesh, Pamela G., <i>Rate Impacts and Key Design Elements of Gas and Electric Utility Decoupling : A Comprehensive Review</i> , 2009	http://wutc.wa.gov/rms2.nsf/177d98baa5918c7388256a550064a61e/c05c8e01b3964098882576710080e1bf!OpenDocument	5/21/10	

Transportation and/or Liquid Fuels Focus

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
T001	Victoria Transport Policy Institute, <i>Transportation Cost and Benefit Analysis: Techniques, Estimates and Implications</i> , 2009	www.vtpi.org/tca/	5/19/10	Surveys transportation benefit and costing research. Work of single individual (Todd Litman) but well-respected.
T002	Puget Sound Regional Council, <i>Transportation 2040</i> , 2010	http://www.psrc.org/transportation/t2040/	5/26/10	
T003	Washington State Transportation Commission, <i>Washington Transportation Plan 2007-2026</i> , 2006	http://www.wstc.wa.gov/Studies.htm	5/21/10	
T004	Washington State Transportation Commission, <i>Washington State Comprehensive Tolling Study</i> , 2006	http://www.wstc.wa.gov/Studies.htm	5/21/10	
T005	British Columbia Ministry of Finance, <i>Budget and Fiscal Plan 2008/09-2010/11</i> , 2008.	http://www.bcbudget.gov.bc.ca/2008/bfp/2008_Budget_Fiscal_Plan.pdf	6/2/10	Includes extensive economic analysis of the BC carbon tax.

Renewable Energy Focus

Renewable energy-focused work that is specifically geared to the electricity or transportation sectors is classified in those sectors, above.

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
R001	Hewlett Foundation and Energy Foundation, <i>Renewable Energy Atlas of the West: A Guide to the Region's Resource Potential</i> , 2002	www.energyatlas.org	5/19/10	Closely related to renewable energy databases available from the National Renewable Energy Laboratory. Provides upper limits to technical potentials for renewable energy; provides input data for generating economic potentials.

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
R002	Yoder, Jonathan, et al, <i>Biofuel Economics and Policy for Washington State</i> , 2009	cru.cahe.wsu.edu/CEPublications/XB1047E/XB1047E.pdf	6/2/10	
R003	Sowers, K E & Pan, W L (eds.) <i>Biofuels Cropping System Project: 2009 Final Report</i>	css.wsu.edu/biofuels/final_report_2009/	6/2/10	Does not make policy-level recommendations, but provides very important grounding research for future recommendations.
R004	Mason, C L et al, <i>Wood to Energy in Washington: Imperatives, Opportunities, and Obstacles to Progress</i> (Report to the Washington State Legislature), 2009.	http://www.ruraltech.org/pubs/reports/2009/wood_to_energy/	6/2/10	
R005	Gustafson, R & Raffaelli, N, <i>Washington State Pulp and Paper Mill Boilers: Current and Potential Renewable Energy Production</i> , 2009.	www.ecy.wa.gov/biblio/0907048.html	6/2/10	

Special Topics

call#	author, title, year	rec'd from (person or URL)	date rec'd	notes
S001	Myers, Todd, <i>Promoting Personal Choice, Incentives and Investment to Cut Greenhouse Gases</i> , 2008.	http://www.washingtonpolicy.org/Centers/environment/PolicyBrief/08_Myers_CarbonTax.pdf	6/2/10	
S002	Bauman, Yoram, <i>Carbon Pricing in Washington</i> , 2010.	Eric de Place, Sightline Institute	6/2/10	

Appendix A

Other states' and provinces' energy strategies

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state/province	mandate	executor	frequency	most recent title	public process	forecast horizon & methodology	comments	URL
Alabama	permanent legislative committee created by HJR 152 (2007)	Permanent Joint Legislative Committee On Energy Policy	annual	State Energy Strategy for Alabama (February 3, 2009)	none	none	Primarily a summary of bill package to be offered at each regular session of the legislature.	<i>None.</i> A copy of the document is archived at http://www.25x25.org/storage/25x25/documents/State%20Page%20Documents/Alabama/AL_Leg_Energy_Report_2009_Reg_Session.pdf .
British Columbia	?	Alternative Energy Task Force	<i>single effort</i>	The BC Energy Plan: A Vision for Clean Energy Leadership (2007)	>100 stakeholder meetings	none	Mostly aspirational in nature.	http://www.energyplan.gov.bc.ca/
California	Senate Bill 1389 (2002)	California Energy Commission	biannual	2009 Integrated Energy Policy Report	none?	Patchwork by sector; no discussion of techniques in doc or appendices; 2030 horizon in most figures.	Heavy focus on electric sector.	http://www.energy.ca.gov/2009_energypolicy/
Florida	Executive Order 07-128	Governor's Action Team on Energy & Climate Change	<i>single effort</i>	Florida's Energy & Climate Change Action Plan (October 15, 2008)			Primarily a climate change mitigation strategy.	http://www.dep.state.fl.us/climatechange/actionplan_08.htm
Georgia	initiative of Georgia Environmental Facilities Authority	Governor's Energy Policy Council	<i>single effort</i>	State Energy Strategy for Georgia (December 14, 2006)	dedicated website (727 comments received); five public meetings	none	Concluding chapter urges permanent process.	http://www.gefa.org/index.aspx?page=192#a4
Hawaii	U.S. DOE partnership	Hawaii Dept. of Business, Economic Development & Tourism (DBEDT)	<i>no regular report</i>	Hawai'i Clean Energy Initiative (website only)	none	Patchwork by sector.	DBEDT staff are divided into five working groups; the Integration Working Group is tasked with a "gap assessment" of unknown status.	http://www.hawaii-clean-energy-initiative.org/
Kentucky	informal initiative of Governor	Energy and Environment Cabinet	<i>single effort</i>	Intelligent Energy Choices for Kentucky's Future: Kentucky's 7-Point Strategy for Energy Independence (November, 2008)	none	Most graphics to 2025; no methodology stated.		http://www.eec.ky.gov/NR/rdonlyres/3BB23D1C-F42C-4E3D-808D-CF7588926BD3/0/FinalEnergyStrategy.pdf

state/province	mandate	executor	frequency	most recent title	public process	forecast horizon & methodology	comments	URL
Maryland	?	Maryland Energy Administration	<i>single effort</i>	Maryland Energy Outlook (January, 2010)	34-person public/private Advisory Committee	none	Maryland's document is particularly well-organized and visually appealing.	http://energy.maryland.gov/about/reports/index.asp
Nebraska	?	Nebraska Energy Office	<i>single effort updates '91 Plan</i>	Interim 2009 Nebraska Energy Plan	online comments solicitation; nine public meetings	none	The public process was the primary driver for the Energy Plan's content.	http://www.neo.ne.gov/comm ents2/index.php
New York	Governor's Executive Order 2008-2	State Energy Planning Board	every four years	2009 State Energy Plan	>70 stakeholder meetings; 13 public hearings.	10-year horizon mandated by Executive Order. Electric forecasts contracted to NYISO; NG forecasts contracted to EEA/ICF; other fuels derived from EIA AEO NEMS runs.	Appears to be more sophisticated and well-documented than California.	http://www.nysenergyplan.com/stateenergyplan.html
North Carolina	Energy Policy Council established by legislature (1975)	State Energy Office & North Appalachian University	as-needed (prior effort was 1992)	North Carolina State Energy Plan (Revised edition January, 2005)	18-person public/private committee	Patchwork by sector; appears to be spreadsheet work; 2020 horizon in most figures.	Has the appearance of being the most sophisticated effort among medium-size states	http://www.energync.net/resources/docs/pubs/sep_12-04.pdf
Oregon	ORS 469.060, 469.070	Oregon Department of Energy (ODOE)	biannual	2007-2009 State of Oregon Energy Plan	none	None in document, but ORS 469.070 requires forecasts to +20 years.	Are the forecasts being done but unpublished? Or punted?	http://www.oregon.gov/ENE RGY/docs/EnergyPlan07-09.pdf
Oregon	?	Five Starts International, Ltd. for Oregon Office of Energy	<i>single effort</i>	Oregon Energy Outlook (December 31, 2000)	none	None (just lots of hand-waving about the future).		http://www.oregon.gov/ENE RGY/CONS/docs/EnOutlook.PDF
Texas	Executive Order RP-29 (2003)	Texas Energy Planning Council / Railroad Commission of Texas	<i>single effort</i>	Texas Energy Plan 2005	Public testimony allowed at 10 Council meetings.	2025 horizon; forecasts are prorated from EIA Annual Energy Outlook data.		http://www.rrc.state.tx.us/about/tepc/